

"Schedule-B"

Name of Work:-Detailed Estimate for upgradation and Improvements to Mediagrhara Electrical Crematorium Furnace -A- in Ward no. 11 Yelahanka Zone.

Sl. No.	Approved Qty	Description	Unit	Approved Rates	
				in Figures	In Words
1	90	Supplaying & Fixing of Coil holding bricks Vertical System 115X115X300 mm	Nos	2200.00	Rupees Two Thousand Two Hundred Only
2	2500	Supplaying & Fixing of Insulation bricks std 75X115X225mm	Nos	84.00	Rupees Eighty Four Only
3	1250	Supplaying & Fixing of Refractor STD IS 6 75X115X225mm	Nos	86.00	Rupees Eighty Six Only
4	1250	Supplaying & Fixing of Refractor STD IS 8 75X115X225mm	Nos	102.00	Rupees One Hundred Two Only
5	200	Supplaying & Fixing of Refractor side arch bricks 230X115X75/65mm	Nos	104.00	Rupees One Hundred Four Only
6	29	Supplaying & Fixing of Refractory slabs MCL 150X300X600mm	Nos	6200.00	Rupees Six Thousand Two Hundred Only
7	26	Supplaying & Fixing of Refractory slabs MCL 150X300X450mm	Nos	5600.00	Rupees Five Thousand Six Hundred Only
8	8	Supplaying & Fixing of Body laying with MCL 150X300X600mm	Nos	11600.00	Rupees Eleven Thousand Six Hundred Only
9	15	Supplaying & Fixing of Refractor cement Fine ACC 50(50 kg bag)	Bags	3200.00	Rupees Three Thousand Two Hundred Only
10	14	Supplaying & Fixing of Refractor cement FIR crate super (50 kg bag)	Bags	5200.00	Rupees Five Thousand Two Hundred Only
11	2	Supplaying & Fixing of Refractory cement white heat K Acc make	Bags	6200.00	Rupees Six Thousand Two Hundred Only
12	1	Supplaying & Fixing of Acoustic set liquid bind	drum	6800.00	Rupees Six Thousand Eight Hundred Only
13	13	Supplaying & Fixing of FIBT blank kit 96 grade	Box	4600.00	Rupees Four Thousand Six Hundred Only

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14	2	Supplaying & Fixing of FIBT blank kit 128 grade	Box	6200.00	Rupees Thousand Hundred
15	50	Supplaying & Fixing of SS Stud 304X250X10m	Nos	280.00	Rupees Two Hundred Eighty Only
16	12	Supplaying & Fixing of FIR clay cement	Bags	1200.00	Rupees One Thousand Two Hundred Only
17	8	Supplaying & Fixing of Refractory slabs IS8 100X300X600mm	Nos	3800.00	Rupees Three Thousand Eight Hundred Only
18	18	Supplaying & Fixing of Refractory slabs IS8 100X300X450mm	Nos	2800.00	Rupees Two Thousand Eight Hundred Only
19	18	Supplaying & Fixing of 3.5 KW Heating coils Made out of 5.8mm Thick 80/20 Grade nickel chromium wire, Heating Zone should be 950mm length, End terminal rod ss 304Grade 10mm dia 550mm Lenth suitable for Verticle mounting system in Electrical Furnace including Porcelin beads spacers Supporting system Complet	Nos	37000.00	Rupees Thirty Seven Thousand Only
20	1	Labour charges for Removing and relining works	job	80000.00	Rupees Eighty Thousand Only
21	40	Supplaying & Fixing of Coil connecting to used to coper flat 25X4 mm	kgs	1500.00	Rupees One Thousand Five Hundred Only
22	30	Supplaying & Fixing of Epoxy insulators (bus bar mounting)	Nos	80.00	Rupees Eighty Only
23	1	1) Furnace top fabrication works with MS angle and channel with covering sheets	job	120000.00	Rupees One Lakh(s) Twenty Thousand Only
24	1	2) Furnace main door work front sheet repalcement 5 mm thickness, guiding wheel (4 Nos) with shaft including bearing repalcement and mechanism servicing	Set	66000.00	Rupees Sixty Six Thousand Only
25	1	2) Furnace back door Ash removing doors Newly fabricated.	job	70000.00	Rupees Seventy Thousand Only
26	1	3) Body charging trolley servicing and repair works	job	20000.00	Rupees Twenty Thousand Only
27	2	fabrication, Supplay ,erection & commissioning of Exhaust Blower. Following specifications, 7.5 Hp,1440 RpM 3Phase Induction Motor (ABB make) Centrifugal belt driven 50mm SS310 Shaft heavy duty 2Nos ball bearing, Motor & Blower Mounting frame 75x50 mm C Chanel, Implers & Outer body 310SS 5 mm Thick With Matching Flanges Air in let & out let Opening300mm,	Job	472312.00	Rupees Four Lakh(s) Seventy Two Thousand Three Hundred Twelve Only
28	2	Supplay & Erection of 1/2 Hp 3Phase 50 cycles 1440 RPM Flange Mounting Motor with Gear Out put 10 RPM	Nos	49500.00	Rupees Forty Nine Thousand Five Hundred Only

29	2	Scrubber work- SS fabricated 304 sheet 3x3x3 feet 3mm thickness, water tank, using 40x40x5 mm iron L angle -30 mtrs SS flat:40x5 : 25 mtrs ; SS pipe 2: 6 mtrs; Gate valve 2;4 Nos; Elbow 2" : 8 Nos; 2" flange: 8 Nos; ¾" pipe: 12mtrs; ¾" flange: 8 Nos; ¾" Bend : 8 Nos Reducer ¾" 4 Nos Water pump 3 phase 1 HP 1 ½" x 1 ½": 2 Nos. (Momoblock pump), including of labour, diamantling erection and commission of all the above work.	Rmtrs	195000.00	 (24) Rupees One Lakh(s) Ninety Five Thousand Only
30	5	SS Fabrication 2 mm thick, 500 mm dia with flange. (blower to Chimney connecting pipe)	Rmtrs	29500.00	Rupees Twenty Nine Thousand Five Hundred Only
31	4	SS Fabrication 2 mm thick, 250 mm dia with flange. (blower to Chimney exhausting pipe)	Rmtrs	15600.00	Rupees Fifteen Thousand Six Hundred Only
32	6	SS fabrication 2 mm thick, 300 mm dia with flange. (bypass lining work)	Rmtrs	21250.00	Rupees Twenty One Thousand Two Hundred Fifty Only
33	2	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.225-250Amps	Nos	17801.00	Rupees Seventeen Thousand Eight Hundred One Only
34	2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (lcu = lcs) Four POLE.320-250Amps 35kA.	Nos	16327.00	Rupees Sixteen Thousand Three Hundred Twenty Seven Only
35	8	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63 Amps SP	Nos	677.00	Rupees Six Hundred Seventy Seven Only
36	3	40-63Amps TPN	Nos	1936.00	Rupees One Thousand Nine Hundred Thirty Six Only
37	2	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy.	Nos	8003.00	Rupees Eight Thousand Three Only
38	3	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Nos	442.00	Rupees Four Hundred Forty Two Only
39	 95	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.	Nos	1224.00	Rupees One Thousand Two Hundred Twenty Four Only

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40	75	Supplying, fixing and wiring 1000/5A to 1600/5A 15VA Burden class 1 Current Transformer.	Nos	720.00	Rupees Seven Hundred Twenty Only
41	6	Supplying, fixing and wiring rotary selector switch suitable for Ammeter.	Nos	172.00	Rupees One Hundred Seventy Two Only
42	3	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.	Nos	140.00	Rupees One Hundred Forty Only
43	9	Supplying and fixing HRC fuse units base on existing switch/panel board up to 32Amps	Nos	174.00	Rupees One Hundred Seventy Four Only
44	200	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Mtrs	18.60	Rupees Eighteen And Paise Sixty Only
45	300	2.5 sqmm	Mtrs	29.20	Rupees Twenty Nine And Paise Twenty Only
46	92	16 sqmm	Mtrs	171.00	Rupees One Hundred Seventy One Only
47	3	Supplying amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.100Amps 4x30x6mm Aluminum Strips	Mtrs	2135.00	Rupees Two Thousand One Hundred Thirty Five Only
48	2	Fixing of Amps TPST / change over switch / Contactor along with neutral link with screws, bolts, nuts and wiring using required capacity wires and circuit labeling.100A to 250A TPST	Nos	387.00	Rupees Three Hundred Eighty Seven Only
49	25	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 25 sqmm	Mtrs	165.50	Rupees One Hundred Sixty Five And Paise Fifty Only
50	50	3.5 core 50 sqmm	Mtrs	265.00	Rupees Two Hundred Sixty Five Only
51	75	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure.25 sqmm to 75 sqmm	Mtrs	16.20	Rupees Sixteen And Paise Twenty Only

I am prepared to take up the above work at the rates mentioned in the Schedule B

Contractor

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EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone